

HFC-8

Robust and portable Hand-Foot-Clothing Monitor with touch-screen display

The HFC-8 is a compact hand, foot, and clothing monitor to measure personnel leaving controlled areas. With a removable probe and spring-loaded hand detectors, the HFC-8 has been developed for portability between different areas. Featuring a detector arrangement to measure the hands and feet in one measurement step, the HFC-8 integrates the latest technology and design, while meeting official standards.

Various detector options are available, including:

- Beta detectors (plastic scintillator)
- Beta-Gamma detectors (plastic scintillator)
- Alpha/Beta detectors (plastic scintillator or gas-flow proportional)

The standard unit consists of:

- 8 detectors with semiconductor readout, one of them as removable hand probe
- Robust stainless-steel housing
- Ergonomic detector positioning
- Integrated 12 in. touch-screen display
- Fully automated measurement process with audiovisual operator guidance
- Latest industry-controller technology
- Power provided by UPS for several measurements during mains power outage



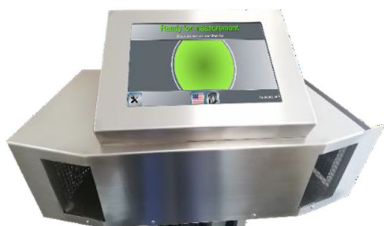
Key Benefits

- Intuitive user-friendly software
- Spring-loaded hand detectors for reliable contact with the hand surfaces
- Compact footprint with easy access to the service cabinet
- Modern touch-Screen display
- Stainless steel housing for easy cleaning and durability
- Access to historical measurement data via integrated database
- Export of measurement/parameter data in XML format via USB

Standards:	The Monitor is compliant with the following Standards: IEC61098, CE, CSA / UL or EMC, ISO11929
Detectors:	8 Beta, Beta-Gamma, or Alpha/Beta Plastic Detectors (Alpha/Beta gas-flow detectors also available) Active area (per measurement): 2,400 cm ² Hand detectors: 300 cm ² Foot detectors: 600 cm ²
User Software:	Fully automated measurement process with voice guidance for users. Web based for remote access
Electronics:	Touch-Screen Industry-Controller incl. Network connection
Housing:	Stainless Steel Service-door from the front
Sensors:	2x Hand and 2x Foot Sensors One Hand-Detector removable as probe
Ext. Dimensions:	1,493 mm x 642 mm x 710 mm (H x W x D)
Weight:	approx. 60 kg
Power Supply:	24V via 110 - 240V power adapter Uninterruptable power supply



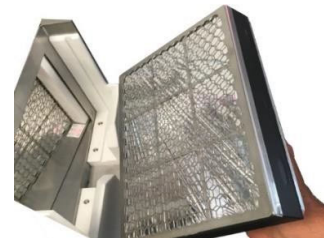
Software Screenshots



Touch-Screen Display



Spring-loaded hand-detectors



Removable Hand-Detector

Additional Options

Ludlum Measurements GmbH offers a range of additional options to enhance the capabilities of the monitor:

- Alpha discrimination by ZnS
- Beta and Beta/Gamma-Hybrid detectors
- HFC-8^{MED}: Variant specially designed for nuclear medicine applications
- Gas-flow detectors
- Control of barriers and doors via relay interface
- Various configurations available, e.g. card reader connection, lights, interfaces